

Datasheet for ABIN657455

anti-TNF alpha antibody (C-Term)**2** Images**1** Publication[Go to Product page](#)

Overview

Quantity:	400 µL
Target:	TNF alpha
Binding Specificity:	AA 187-216, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TNF alpha antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	This TNF antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 187-216 amino acids from the C-terminal region of human TNF.
Clone:	RB33595
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	TNF alpha
Alternative Name:	TNF (TNF alpha Products)
Background:	This gene encodes a multifunctional proinflammatory cytokine that belongs to the tumor

Target Details

	necrosis factor (TNF) superfamily. This cytokine is mainly secreted by macrophages. It can bind to, and thus functions through its receptors TNFRSF1A/TNFR1 and TNFRSF1B/TNFR. This cytokine is involved in the regulation of a wide spectrum of biological processes including cell proliferation, differentiation, apoptosis, lipid metabolism, and coagulation. This cytokine has been implicated in a variety of diseases, including autoimmune diseases, insulin resistance, and cancer. Knockout studies in mice also suggested the neuroprotective function of this cytokine.
Molecular Weight:	25644
Gene ID:	7124
NCBI Accession:	NP_000585
UniProt:	P01375
Pathways:	NF-kappaB Signaling , Apoptosis , Caspase Cascade in Apoptosis , TLR Signaling , Cellular Response to Molecule of Bacterial Origin , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Production of Molecular Mediator of Immune Response , Positive Regulation of Endopeptidase Activity , Hepatitis C , Protein targeting to Nucleus , Inflammasome

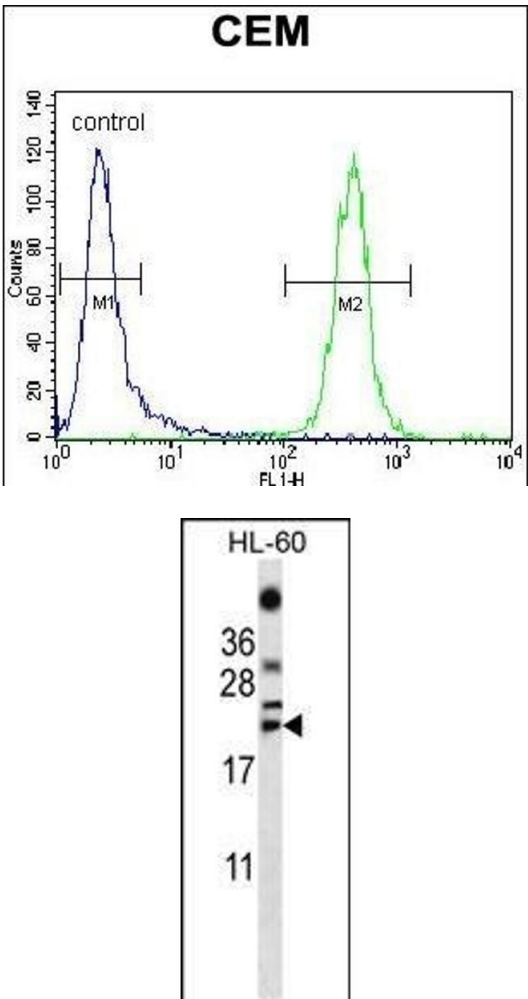
Application Details

Application Notes:	WB: 1:1000. FC: 1:10~50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	TNF Antibody (C-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.
Expiry Date:	6 months

Product cited in: Huang, Zhao, Yu, Yang, Ding: "Protective Effects and Mechanism of Meretrix meretrix Oligopeptides against Nonalcoholic Fatty Liver Disease." in: **Marine drugs**, Vol. 15, Issue 2, (2017) ([PubMed](#)).



Flow Cytometry

Image 1. TNF Antibody (C-term) (ABIN657455 and ABIN2846482) flow cytometric analysis of CEM cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 2. TNF Antibody (C-term) (ABIN657455 and ABIN2846482) western blot analysis in HL-60 cell line lysates (35 µg/lane).This demonstrates the TNF antibody detected the TNF protein (arrow).